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ABSTRACT

COEXTRUSION BINDER, ITS USE FOR A MULTILAYER STRUCTURE AND THE STRUCTURE THUS OBTAINED

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The present invention relates to a coextrusion binder comprising:

- 5 to 30 parts of a polymer (A), itself comprising a blend of a polyethylene (A1) of relative density between 0.935 and 0.980 and of a polymer (A2) chosen from elastomers, very low-density polyethylenes and ethylene copolymers, the (A1) + (A2) blend being cografted with an unsaturated carboxylic acid;
- 95 to 70 parts of a polyethylene (B) of relative density between 0.930 and 0.950;
- the blend of (A) and (B) being such that:

. its relative density is between 0.930 and 0.950,

. the content of grafted unsaturated carboxylic acid is between 30 and 10,000 ppm,

. the MFI (melt flow index) measured according to ASTM D 1238 at 190°C/21.6 kg is between 5 and 100.

This binder is particularly useful for petrol tanks of structure: HDPE/binder/EVOH or PA/binder/HDPE.